

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

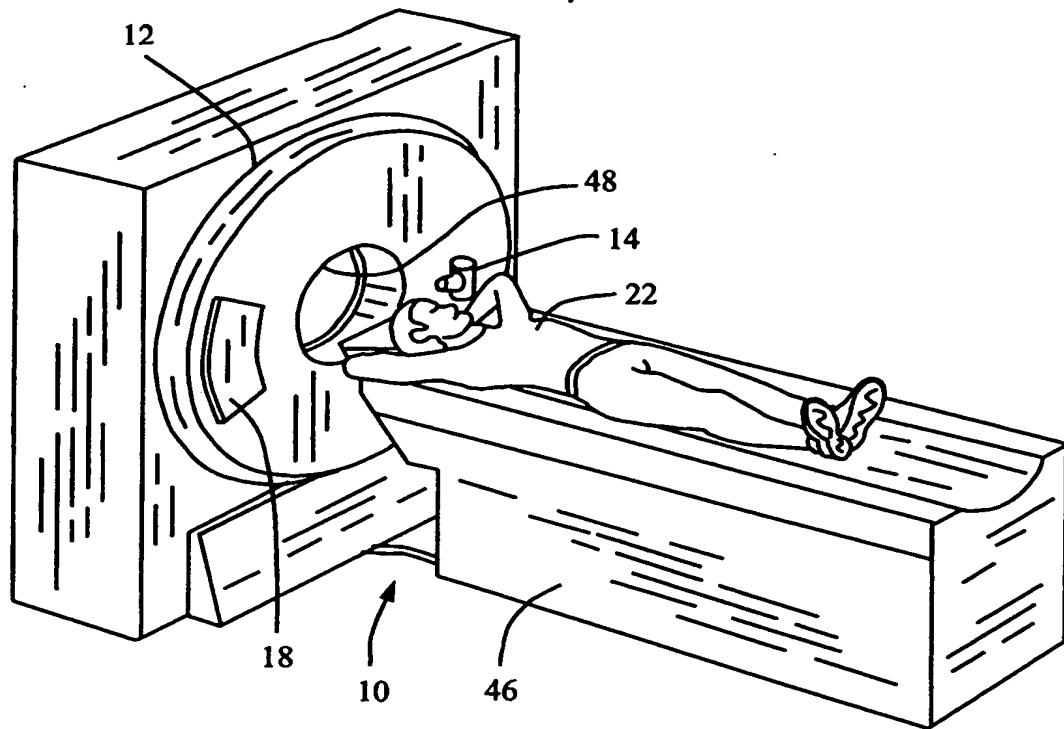


FIG. 1

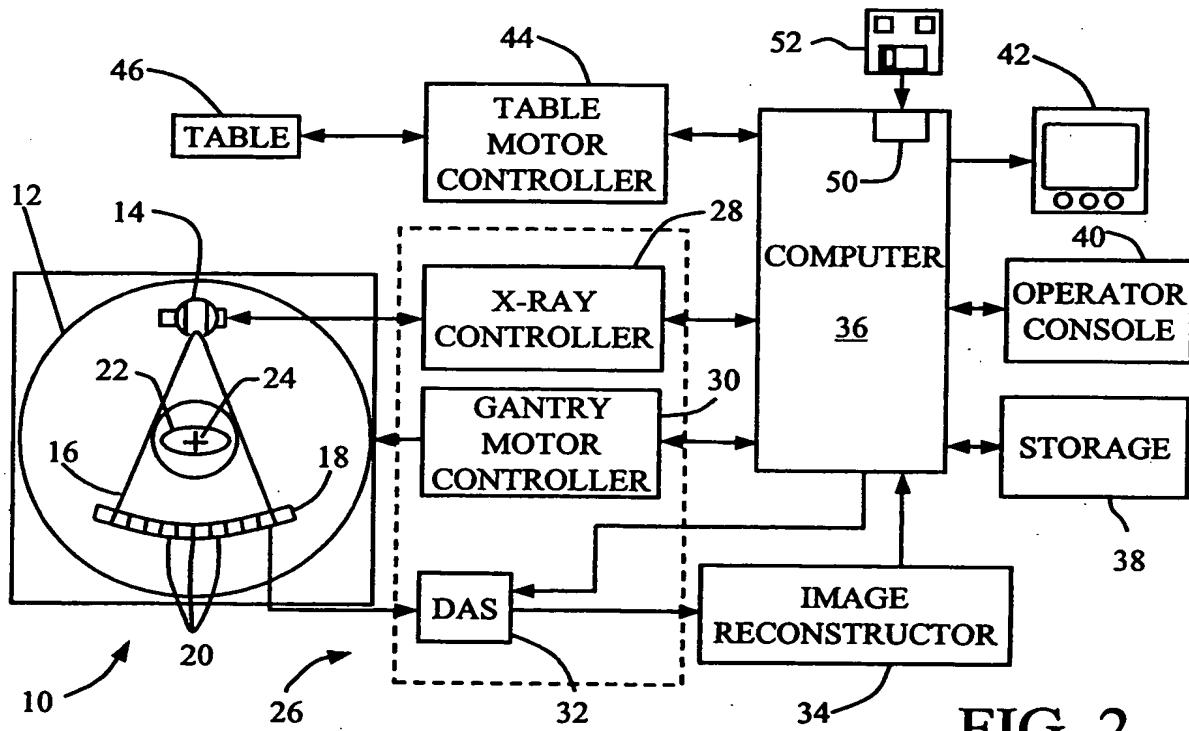


FIG. 2

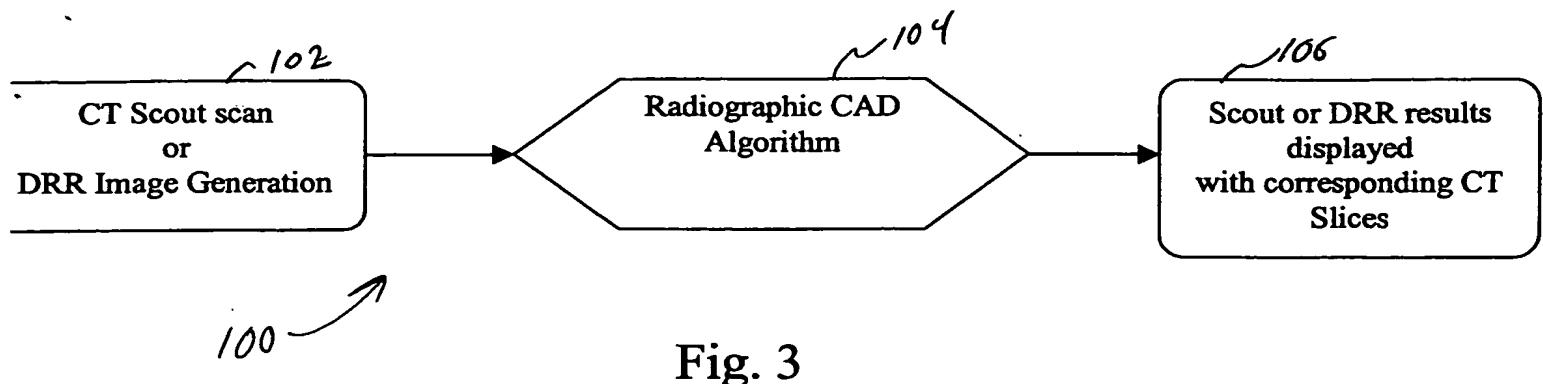


Fig. 3

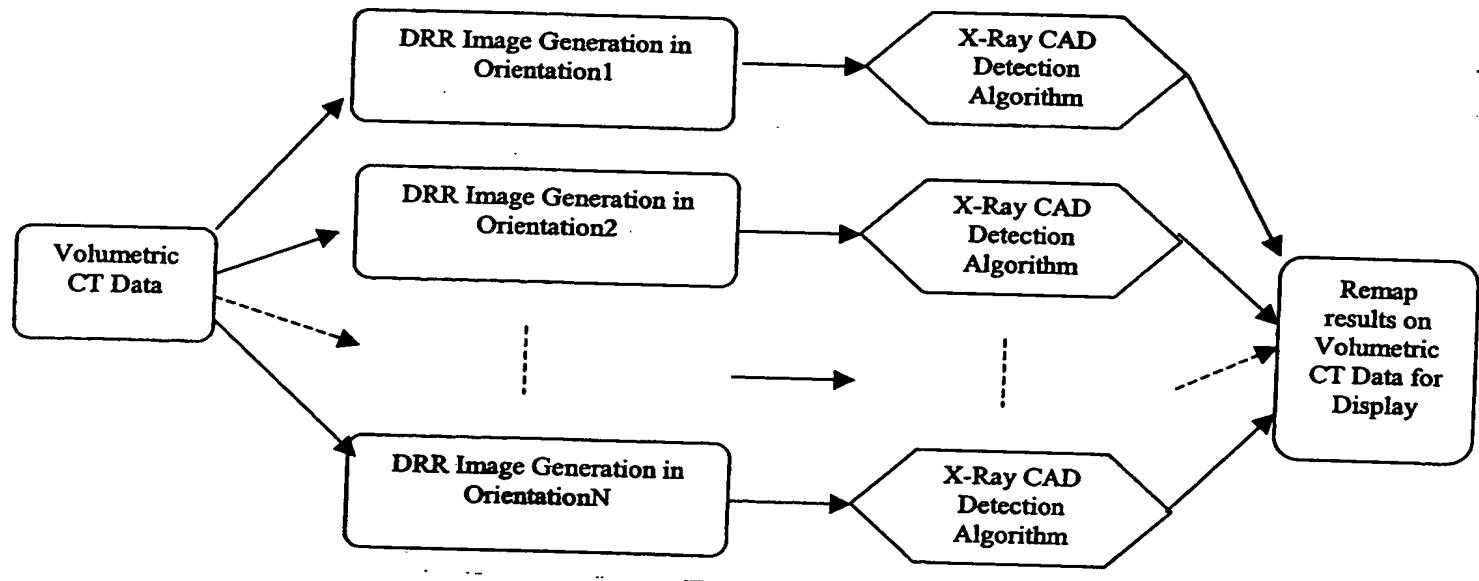


Fig 4

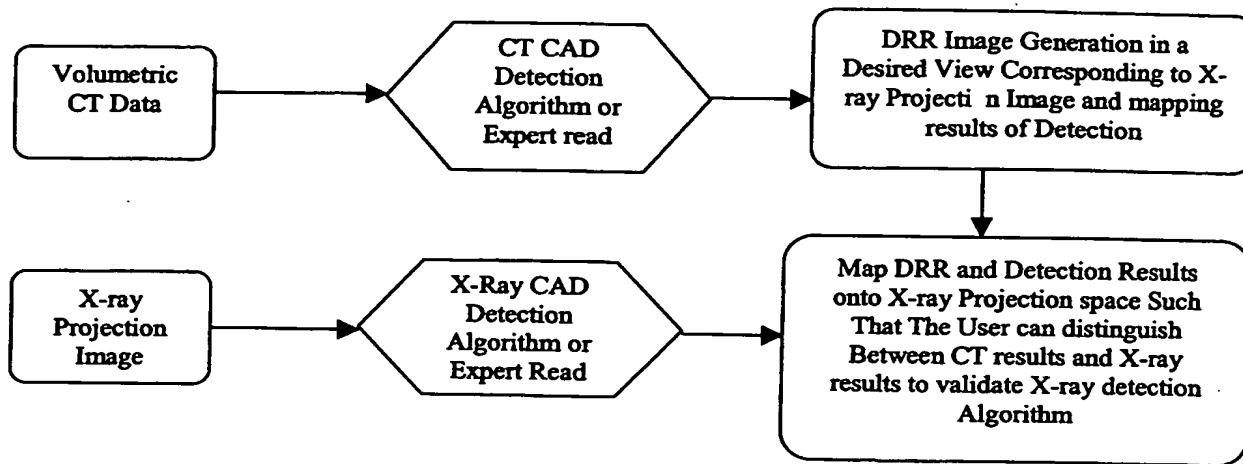


Fig 5

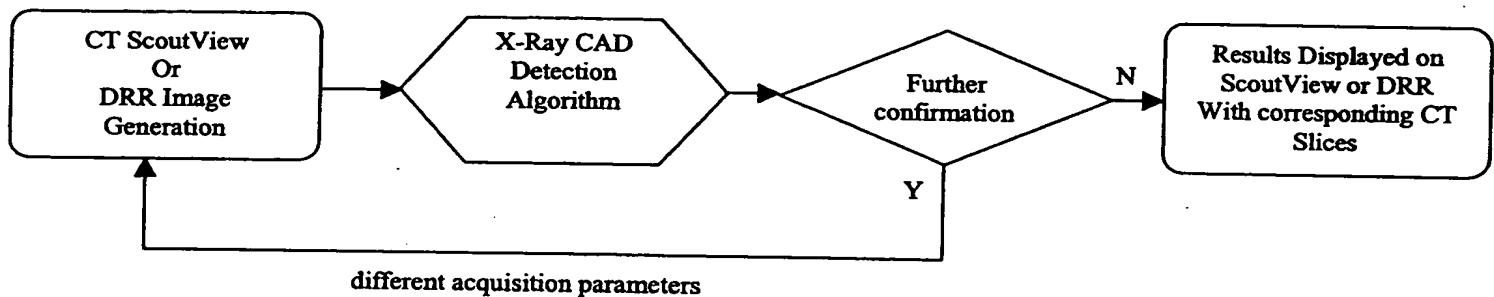


Fig. 6

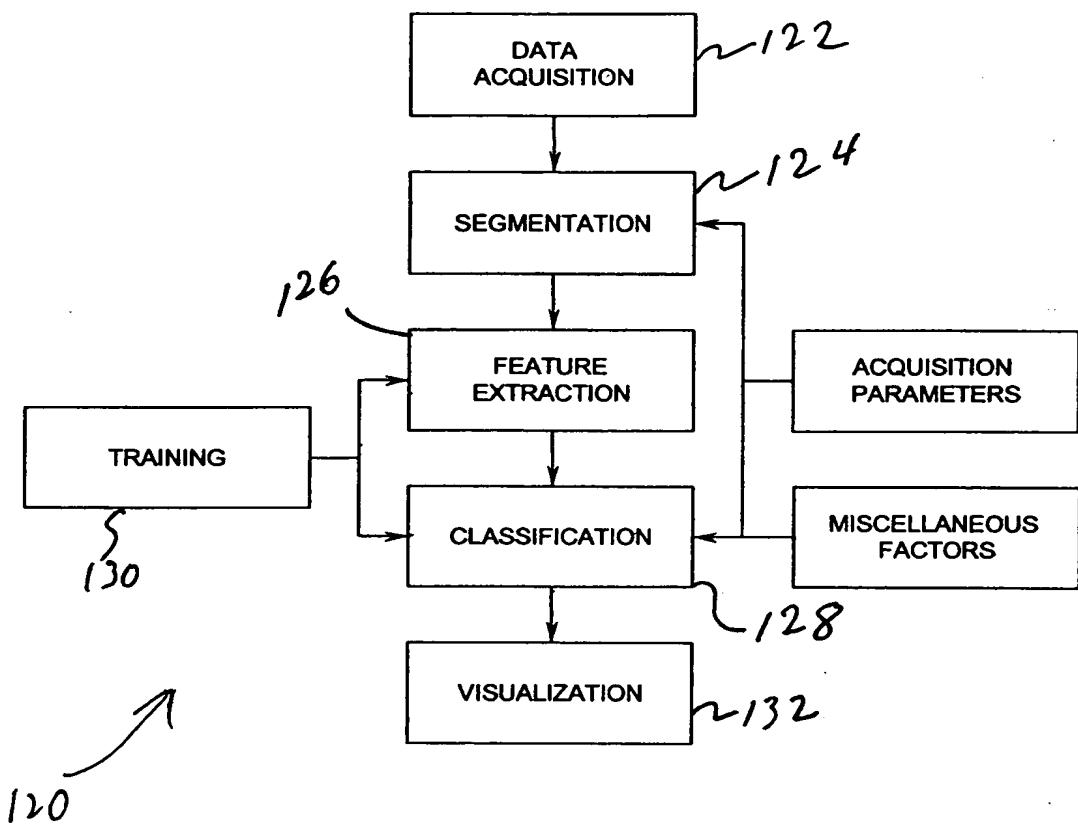
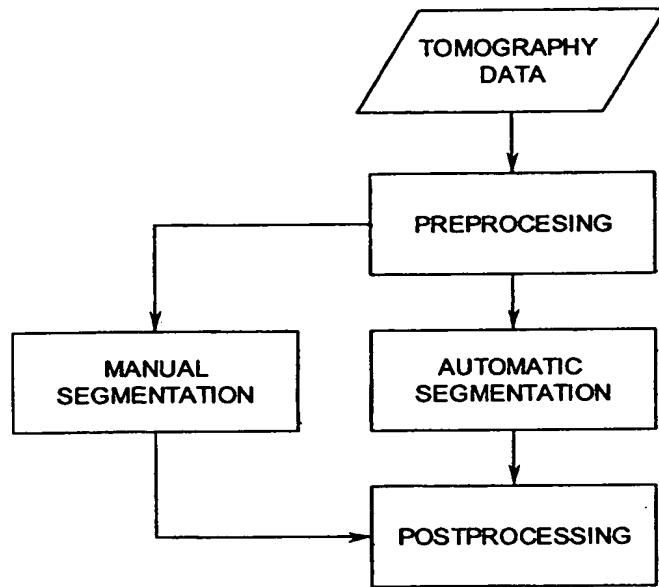
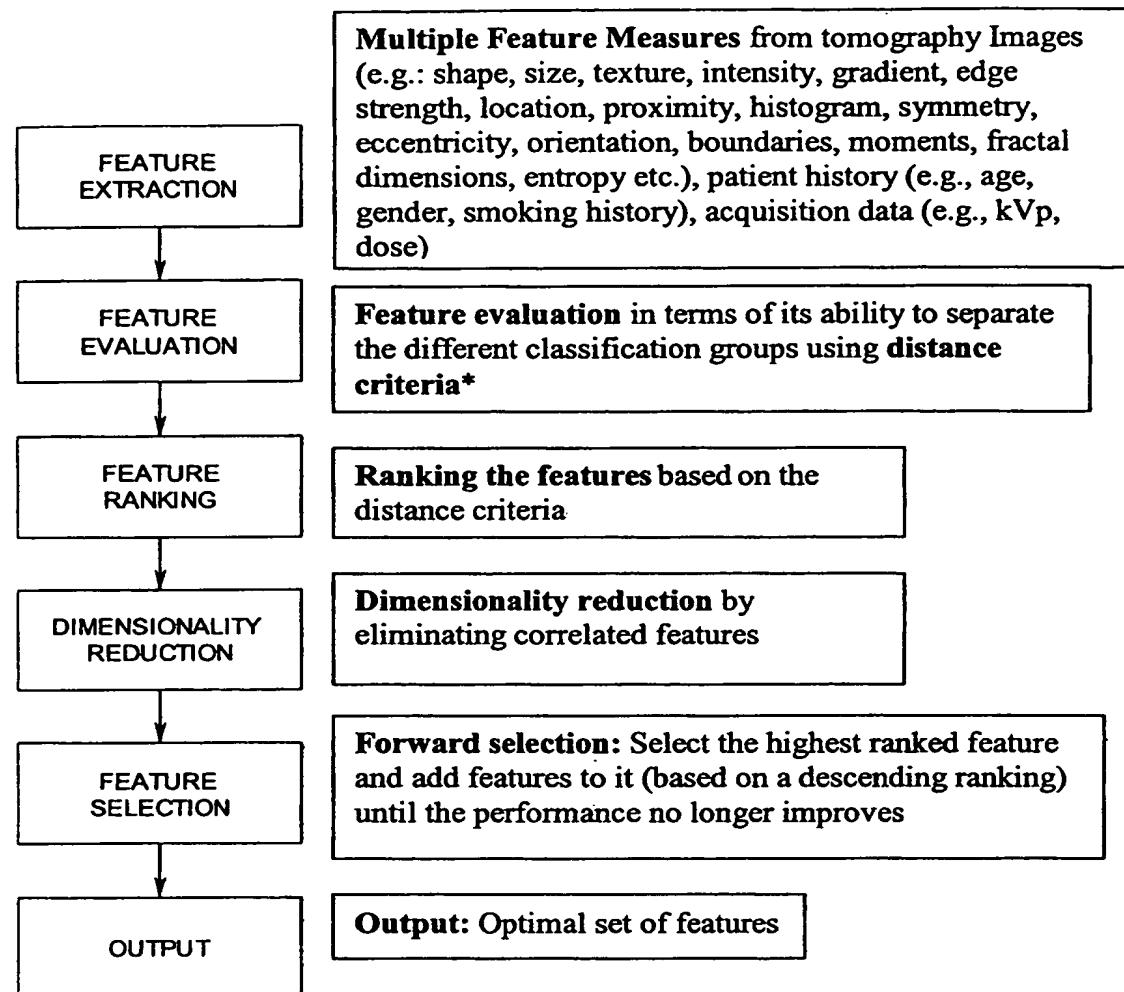


Figure 7. Schematic of CAD process



124

Figure 8. Segmentation process for data.



126 ↗

Figure 9. Feature selection process for data.

* Several different distance criteria can be used: Divergence, Bhattacharya distance, Mahalanobis distance. These techniques are described in standard textbooks including: K. Fukunaga, Introduction to Statistical Pattern Recognition. Academic Press, 2nd ed., 1990.

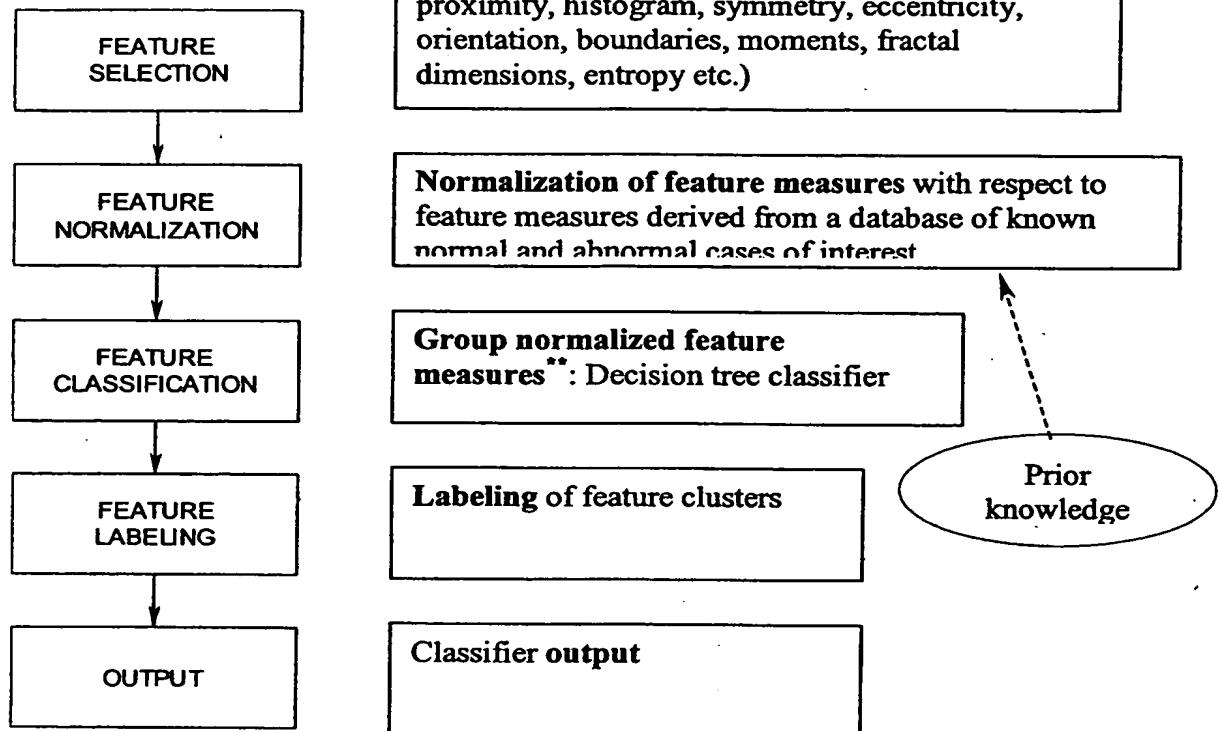


Figure 10. Feature classification process for tomographic data.

** Several different methods can be used: Decision tree analysis, discriminant function analysis, Bayes' minimum-risk method, clustering techniques, similarity measure approach. These techniques are described in standard textbooks including: *Fundamentals of digital image processing* by Anil K. Jain, Prentice Hall (1988).